

### **Amendments to the Claims**

The following listing of the claims will replace all prior versions and listings of claims in the application:

#### **Listing of Claims:**

1. (Currently amended) A purified nucleic acid encoding a polypeptide having an amino acid sequence selected from the group consisting of SEQ ID NOs: [2-23] 3-23.
2. (Canceled) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 2.
3. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 3.
4. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 4.
5. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 5.
6. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 6.
7. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 7.

8. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 8.

9. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 9.

10. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 10.

11. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 11.

12. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 12.

13. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 13.

14. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 14.

15. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 15.

16. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 16.

17. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 17.

18. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 18.

19. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 19.

20. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 20.

21. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 21.

22. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 22.

23. (Original) The purified nucleic acid of claim 1, wherein the polypeptide has the amino acid sequence of SEQ ID NO: 23.

24. (Currently amended) The purified nucleic acid of claim 1, wherein the nucleic acid encodes a polypeptide consisting of an amino acid sequence selected from the group consisting of SEQ ID NOs: [2-23] 3-23.

25. (Canceled) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 2.

26. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 3.

27. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 4.

28. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 5.

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29. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 6.

30. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 7.

31. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 8.

32. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 9.

33. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 10.

34. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 11.

35. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 12.

36. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 13.

37. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 14.

38. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 15.

39. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 16.

40. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 17.

41. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 18.

42. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 19.

43. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 20.

44. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 21.

45. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 22.

46. (Original) The purified nucleic acid of claim 24, wherein the polypeptide consists of the amino acid sequence of SEQ ID NO: 23.